



REPORT
ON
AMITY UNIVERSITY, NOIDA F BLOCK

REAL 242: BASICS OF FACILITIES MANAGEMENT

RICS School of Built Environment, Amity University Noida

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AMITY UNIVERSITY, NOIDA F BLOCK

BRIEF DESCRIPTION

Amity University's Noida campus is one of the flagship campuses of the Amity Education Group, India's top private education provider. Here's a quick overview:

Location: The campus is conveniently accessible from Delhi and other nearby places and is situated in Sector 125, Noida, Uttar Pradesh, India, which is a part of the National Capital Region (NCR).

Infrastructure: The campus has cutting-edge academic buildings, administrative offices, labs, and libraries, auditoriums, and sports facilities, among other modern facilities.

Academic Programs: Amity University Noida provides several undergraduate, graduate, and doctorate degrees in a variety of fields, including architecture, management, engineering, communication, fashion, design, and the humanities, among many others.

International Collaborations: Amity University Noida collaborates with a number of foreign colleges and organizations to provide professors and students with exposure to and opportunity for a global education.

Student Life: To enhance the overall educational experience, the campus offers a wide range of clubs, groups, cultural events, and extracurricular activities.

Placements: Amity University Noida places a lot of emphasis on placements and has a strong placement cell that works with prestigious corporations and organizations to help students get internships and jobs.

All things taken into account, the Noida campus of Amity University is renowned for its top-notch academic programs, top-notch facilities, active campus community, and dedication to holistic development.

FM ORGANIZATIONAL STRUCTURE

The organizational structure of facilities management of Amity University Noida as a whole combined with F block is as follows:

- Facility Manager/AdminOfficer of Amity University Noida: **Mr. Sanjay Mishra**
- Admin Officer (F Block): **Mr. Kapil**
- Maintenance Officer: **Karnal BS Sahi**

Administration: This division is in charge of the campus's general management and administration, which includes facilities management.

Facilities Management Team: This group is in charge of maintaining and running the campus's buildings, utilities, and infrastructure on a daily basis.

Maintenance Crew: The maintenance crew is in charge of doing standard maintenance duties such general repairs, carpentry, HVAC (heating, ventilation, and air conditioning), plumbing, and electrical. They are the frontline employees.

Housekeeping Staff: They maintain the campus's common areas, classrooms, toilets, and outdoor areas clean and hygienic.

Security Personnel: The safety and security of teachers, staff, students, and university property is the responsibility of the security personnel.

Utilities Management: This division oversees the campus's sewage, waste disposal, energy, and water supplies.

Environmental Health and Safety (EHS): This division carries out risk assessments, enforces campus-wide safety protocols, and makes sure that health and safety laws are followed.

MANAGEMENT – IN-HOUSE & OUTSOURCED

IN-HOUSE FACILITIES MANAGEMENT:

- Under "in-house facilities management," the university is in charge of directly supervising and administering the upkeep and functioning of the amenities located in the F Block.
- A group of highly qualified experts, such as facilities managers, engineers, technicians, electricians, plumbers, and housekeepers, work for the institution.
- Typical duties include normal upkeep, repairs, sanitation, security, and making sure that the F Block's numerous systems—including the HVAC (heating, ventilation, and air conditioning), electrical, plumbing, and fire safety systems—run well.
- In-house facilities management gives the F Block better operational control and enables prompt reaction to any problems or crises. Most of the services are in-house by the university itself.

OUTSOURCED FACILITIES MANAGEMENT:

- By hiring external service providers or facility management firms to handle various areas of upkeep and operation within the F Block, facilities management is being outsourced.
- Specialized companies with knowledge in building upkeep, housekeeping, security, landscaping, trash management, and other facilities-related services may be hired by the university.
- Flexibility in service delivery, cost effectiveness, and access to specialist expertise are all benefits of outsourcing facilities management.
- While the external service providers manage day-to-day operations in accordance with predetermined service level agreements (SLAs) and performance requirements, the institution maintains monitoring and coordinating duties.
- Housekeeping services are contract based in the premise (F Block) with the company Swachh Facility with over 40 employees including 3 supervisors.

OUTLINE DEPLOYMENT & EQUIPMENT PROFILE

I. Power Supply & Distribution

- In order to provide continuous power to a variety of amenities, such as elevators and escalators, Amity University has dedicated power supplies and distribution systems for different blocks.
- This system include backup generators, transformers, or UPS units to mitigate power outages.
- To guarantee the smooth operation of elevators and escalators, regular maintenance and periodic inspections are necessary.

- 4 Power Sub-Stations in Amity with 4 transformers in each having total of 16 transformers.
- Alternate Source of Electricity for Services: Diesel Generators Sets (Jakson).
- Continuous Power Monitoring (24/7).



Lifts

- There are 2 lifts in large blocks and a single lift in small blocks for the movement of people between different levels of the building.
- Regular maintenance is done for the proper functioning of the lift's equipment.

II. HVAC

- The HVAC (heating, ventilation, and air conditioning) system is essential for maintaining comfortable indoor environments in buildings.
- The F block has its own air conditioning system in addition to being centrally air conditioned from the main source.
- It includes air conditioning units, ventilation systems, and heating systems.
- To guarantee the effectiveness and correct operation of the HVAC system, routine maintenance, filter replacements, and cleaning are essential.

III. Water Supply & Treatment

- Amity University F Block has a well-established water supply and treatment system to provide clean and potable water to its occupants.

- Amity University is a "zero discharge campus," meaning that all of the water is cleaned and recycled on campus before being used for things like gardening and toilet flushing.
- The distribution networks, storage tanks, and water treatment facilities of Amity University are all part of this system.
- To ensure high standards of water quality, frequent testing and treatment procedures are carried out.



IV. Plumbing, Sanitary, Sewage

- The complete system of pipes, fittings, and fixtures used for waste disposal and water distribution can be found in the plumbing and sanitary services.
- Proper maintenance of plumbing systems is essential to prevent leaks, blockages, and other issues.
- Sewage disposal involves the proper treatment and disposal of wastewater to ensure environmental safety.

V. Fire & Safety

- Sprinkler systems, fire alarms, evacuation plans, and fire extinguishers are examples of fire safety measures. Fire extinguishers: CO2 Compressed Gas Fire Extinguisher, ABC Fire Extinguisher.



- The buildings are equipped with alarm and detection systems for fires to notify residents in the event of a fire.
- Security and surveillance systems, including CCTV cameras and access control systems, enhance the safety and security of the premises.



VI. Housekeeping & Landscaping

- All parts of the buildings, including common spaces, classrooms, and bathrooms, are kept hygienic and clean by housekeeping services.
- Gardening and landscaping services ensure the maintenance of outside areas, such as lawns, gardens, and green spaces.
- Consistent upkeep of the campus's landscape elements improves its visual appeal and fosters a relaxing atmosphere.

VII. Solar Energy Systems

- In order to harness renewable energy and lessen reliance on traditional power sources, solar energy systems are being constructed on every block, including F block.
- Solar panels that are mounted on roofs to produce electricity to supplement the campus's power source.
- Using solar energy systems lowers carbon emissions and is consistent with sustainability objectives.